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5   *Abstract*

        A video processing system adaptively generates and processes
volume/file structure and navigation data of different data format and converts data
between different formats for decoding, recording and other applications. The system
10 processes the volume/file structure and navigation data in distinct modes including (a)
pre-processing, (b) contemporaneous and (c) post-processing modes. In addition, the
system provides navigation information supporting navigation through different images
of one or more video programs by parsing encoded packetized data representative of a
sequence of individual images to determine parameters to support navigation through
15 the sequence of individual images. The determined parameters are formatted into a
predetermined data structure and incorporated into a pre-formed navigation data field.